Prefix and Suffix Search (View)

Design a special dictionary with some words that searchs the words in it by a prefix and a suffix.

Implement the `WordFilter` class:

- `WordFilter(string[] words)` Initializes the object with the `words` in the dictionary.
- `f(string prefix, string suffix)` Returns *the index of the word in the dictionary,* which has the prefix `prefix` and the suffix `suffix`. If there is more than one valid index, return **the largest** of them. If there is no such word in the dictionary, return `-1`.

Example 1:

```
Input

["WordFilter", "f"]

[[["apple"]], ["a", "e"]]

Output

[null, 0]


Explanation

WordFilter wordFilter = new WordFilter(["apple"]);

wordFilter.f("a", "e"); // return 0, because the word at index 0 has prefix = "a"
and suffix = 'e".
```

Constraints:

- `1 <= words.length <= 15000`
- `1 <= words[i].length <= 10`
- `1 <= prefix.length, suffix.length <= 10`
- `words[i]`, `prefix` and `suffix` consist of lower-case English letters only.
- At most `15000` calls will be made to the function `f`.